



PIPE DIAMETER	WALL THICKNESS	SLOPE	B	C	D	E	UNIT WEIGHT
12	2 $\frac{1}{4}$	3:1	24	49	73	24	815
15	2 $\frac{1}{4}$	3:1	27	46	73	30	1100
18	2 $\frac{1}{2}$	3:1	27	46	73	36	1500
24	3	3:1	42	31 $\frac{1}{2}$	73 $\frac{1}{2}$	48	2200
30	3 $\frac{1}{2}$	3:1	54	19 $\frac{3}{4}$	73 $\frac{3}{4}$	60	3000
36	4	3:1	63	34 $\frac{3}{4}$	97 $\frac{3}{4}$	72	5300

DIMENSIONS IN INCHES, WEIGHT IN POUNDS

NOTES

1. CONTRACTOR HAS OPTION OF FURNISHING END SECTIONS CONFORMING TO DETAILS ON THIS SHEET OR END SECTIONS CONFORMING TO DETAILS ON STANDARD MD 368.01 OR MD 368.02.
2. END SECTIONS SHALL BE REINFORCED TO CONFORM WITH CLASS IV PIPE.
3. CONCRETE FOOTER SHALL BE USED WHEN SPECIFIED ON THE PLANS. COST OF CONCRETE FOOTER SHALL BE INCIDENTAL TO THE COST OF THE END SECTION. CONCRETE SHALL BE MIX NO.2. REINFORCEMENT SHALL BE NO.3 BARS. SEE STANDARD MD 368.01 FOR THE CONCRETE FOOTER DETAILS AND DIMENSIONS.
4. TOLERANCE IN DIMENSIONS SHALL BE WITHIN $\pm \frac{1}{2}$ ".

SPECIFICATION 305	CATEGORY CODE ITEMS										
APPROVED <i>Kirk G. McCall</i> DIRECTOR - OFFICE OF HIGHWAY DEVELOPMENT											
SHA State Highway Administration	<table> <tr> <td>APPROVAL • SHA REVISIONS</td><td>APPROVAL • FEDERAL HIGHWAY ADMINISTRATION</td></tr> <tr> <td>APPROVAL 9-15-92</td><td>APPROVAL 8-4-92</td></tr> <tr> <td>REVISED 10-1-01</td><td>REVISED</td></tr> <tr> <td>REVISED</td><td>REVISED</td></tr> <tr> <td>REVISED</td><td>REVISED</td></tr> </table>	APPROVAL • SHA REVISIONS	APPROVAL • FEDERAL HIGHWAY ADMINISTRATION	APPROVAL 9-15-92	APPROVAL 8-4-92	REVISED 10-1-01	REVISED	REVISED	REVISED	REVISED	REVISED
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Maryland Department of Transportation
STATE HIGHWAY ADMINISTRATION
 STANDARDS FOR HIGHWAYS AND INCIDENTAL STRUCTURES
STANDARD CONCRETE END SECTION
ROUND CONCRETE PIPE
(HORIZONTAL CAST)

STANDARD NO. MD 368.03